BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

Class: SYIT **Sem: IV** **Roll No.: SYIT61** **Date: 14-12-2024**

Course Name: Advanced Web Programming **Page no:**

Practical Number:- 09

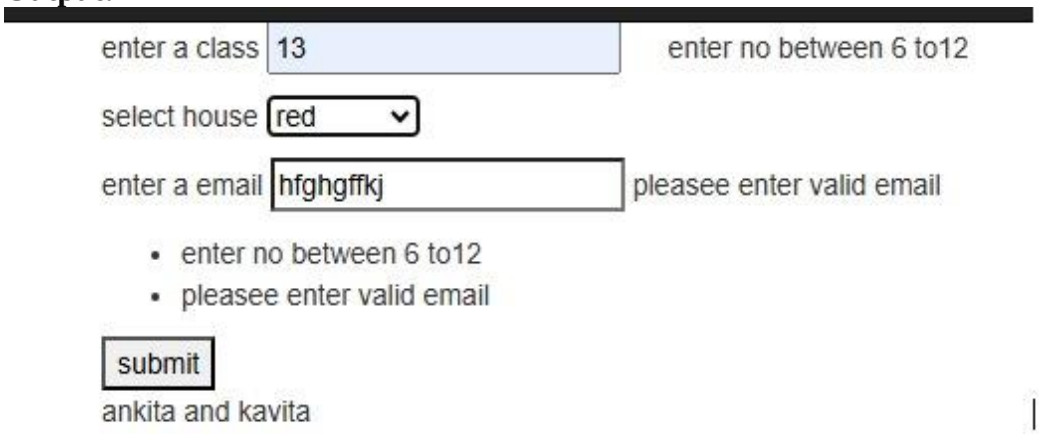
Q1. Design an asp web form to show validation control.

Default.aspx:

```
<asp:Label ID="Label1" runat="server" Text="Enter Class:"></asp:Label>
               
    <asp:TextBox ID="txtclass" runat="server"></asp:TextBox>
    <asp:RangeValidator ID="RangeValidator1" runat="server" ControlToValidate="txtclass" ErrorMessage="Enter a value
between 6 to 12" MaximumValue="12" MinimumValue="6" Type="Integer"></asp:RangeValidator>
    <br />
    <asp:Label ID="Label2" runat="server" Text="Select House:"></asp:Label>
             
    <asp:DropDownList ID="DropDownList1" runat="server">
        <asp:ListItem>Red</asp:ListItem>
        <asp:ListItem>Yellow</asp:ListItem>
        <asp:ListItem>Blue</asp:ListItem>
        <asp:ListItem></asp:ListItem>
    </asp:DropDownList>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" ControlToValidate="DropDownList1"
ErrorMessage="Select a color for house"></asp:RequiredFieldValidator>
    <br />
    <asp:Label ID="Label3" runat="server" Text="Enter Email Address"></asp:Label>
 
    <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
    <asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server" ControlToValidate="TextBox2"
ErrorMessage="Enter valid email address" ValidationExpression="\w+([-+.']\w+)@\w+([-.]\w+)\.\w+([-
.]\w+)*"></asp:RegularExpressionValidator>
    <br />
    <asp:Button ID="Button1" runat="server" Text="Button" />
    <asp:ValidationSummary ID="ValidationSummary1" runat="server" />
    <asp:Label ID="Label4" runat="server" Text="Vaishnavi"></asp:Label>

</asp:Content>
```

Output:



Teacher's Signature

BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

Class: SYIT **Sem: IV** **Roll No.: SYIT61** **Date: 14-12-2024**

Course Name: Advanced Web Programming **Page no:**

Practical Number:- 09

Q2. Design asp web form to accept academic bank of credits, email, marks in 3 subjects and find out the percentage obtained by the student.

Default.aspx:

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true"
CodeBehind="Default.aspx.cs" Inherits="WebApplication15._Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">

    <asp:Label ID="Label1" runat="server" Text="Enter ABC id:"></asp:Label>
    <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
    <asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server" ControlToValidate="TextBox1"
ErrorMessage="Enter correct ABC id" ValidationExpression="^\d{4}-\d{4}-\d{4}$"></asp:RegularExpressionValidator>
    <br />
    <asp:Label ID="Label2" runat="server" Text="Enter Email Address:"></asp:Label>
    <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" ControlToValidate="TextBox2"
ErrorMessage="Email Address is compulsory"></asp:RequiredFieldValidator>
    <br />
    <asp:Label ID="Label3" runat="server" Text="Enter marks of Major subject:"></asp:Label>
    <asp:TextBox ID="TextBox3" runat="server" OnDataBinding="Button1_Click"
OnTextChanged="Button1_Click"></asp:TextBox>
    <asp:RangeValidator ID="RangeValidator2" runat="server" ControlToValidate="TextBox3" ErrorMessage="Enter marks
between 1 to 100" MaximumValue="100" MinimumValue="0" OnDataBinding="Button1_Click"
Type="Integer"></asp:RangeValidator>
    <br />
    <asp:Label ID="Label4" runat="server" Text="Enter marks of Minor subject:"></asp:Label>
    <asp:TextBox ID="TextBox4" runat="server" OnDataBinding="Button1_Click"
OnTextChanged="Button1_Click"></asp:TextBox>
    <asp:RangeValidator ID="RangeValidator3" runat="server" ControlToValidate="TextBox4" ErrorMessage="Enter marks
between 1 to 100" MaximumValue="100" MinimumValue="0" OnDataBinding="Button1_Click"
Type="Integer"></asp:RangeValidator>
    <br />
    <asp:Label ID="Label5" runat="server" Text="Enter marks of OE subject:"></asp:Label>
    <asp:TextBox ID="TextBox5" runat="server" OnDataBinding="Button1_Click"
OnTextChanged="Button1_Click"></asp:TextBox>
    <asp:RangeValidator ID="RangeValidator4" runat="server" ControlToValidate="TextBox5" ErrorMessage="Enter marks
between 1 to 100" MaximumValue="100" MinimumValue="0" OnDataBinding="Button1_Click"
Type="Integer"></asp:RangeValidator>
    <br />
    <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" OnDataBinding="Button1_Click"
Text="Percentage" />
```

Teacher's Signature

```
    <br />
<asp:Label ID="Label6" runat="server" OnDataBinding="Button1_Click"></asp:Label>
    <br />
    <asp:Label ID="Label7" runat="server" Text="Vaishnavi"></asp:Label>
    <br />
</asp:Content>
```

Default.aspx.cs:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication15
{
    public partial class _Default : Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }
        protected void Button1_Click(object sender, EventArgs e)
        {
            int a, b, c;
            a = Int32.Parse(TextBox3.Text);
            b = Int32.Parse(TextBox4.Text);
            c = Int32.Parse(TextBox5.Text);
            percentage p = new percentage(a, b, c);
            Label6.Text = p.y;
        }
    }
}
```

percentage.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

namespace WebApplication15
```

BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

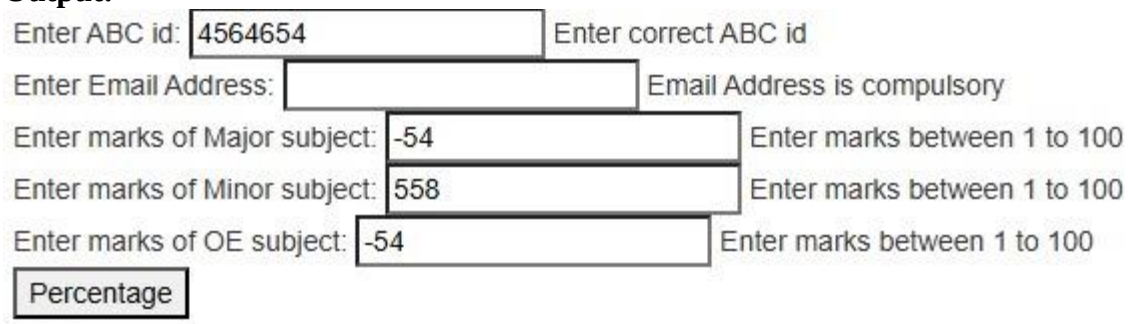
Class: SYIT **Sem: IV** **Roll No.: SYIT61** **Date: 14-12-2024**

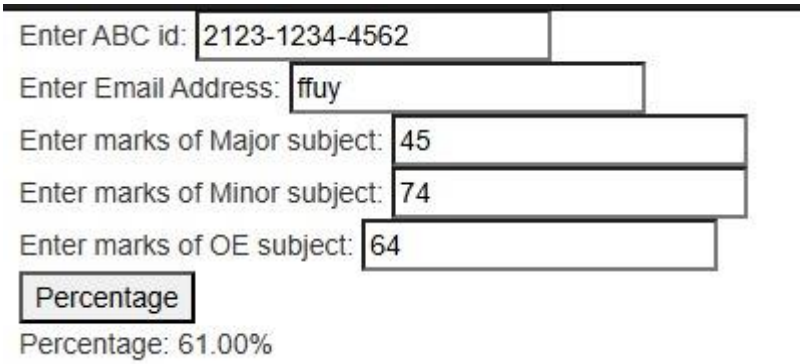
Course Name: Advanced Web Programming **Page no:**

Practical Number:- 09

```
{
   public class percentage
   {
      public double x;
      public string y;
      public percentage(int a, int b, int c)
      {
         int z;
         z = a + b + c;
         x = (z / 300.0) * 100;
         y = "Percentage: " + x.ToString("F2") + "%";
      }
   }
}
```

Output:





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BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

Class: SYIT(NEP) **Sem: IV** **Roll No.: SYIT35** **Date : 21/11/2024**

Course Name: Advance Web Programming **Page no:**

Practical Number: 01

Default.aspx.cs:

```
Using System;
Using System.Collections.Generic;
Using System.Linq;
Using System.Web;
Using System.Web.UI;
Using System.Web.UI.WebControls;
Using System.Xml.Linq;

Public partial class _Default : System.Web.UI.Page
{
   Protected void Page_Load(object sender, EventArgs e)
   {
      XDocument xmlDoc = XDocument.Load(HttpContext.Current.Server.MapPath("XMLFile.xml"));
      Var persons = from p in xmlDoc.Root.Elements("Person")
                Where (Convert.ToInt16(p.Element("Age").Value) < 60)
                Select new
                {
                   Name = p.Element("Name").Value,
                   Address = p.Element("Address").Value,
                   Age = p.Element("Age").Value
                };
      GridView1.DataSource = persons;
      GridView1.DataBind();
   }
}
```

Default foraspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs" Inherits="_Default" %>
<!DOCTYPE html>
<html xmlns=http://www.w3.org/1999/xhtml>
<head runat="server">
   <title></title>
</head>
<body>
   <form id="form1" runat="server">
   <div>

      <asp:GridView ID="GridView1" runat="server" OnSelectedIndexChanged="Page_Load">
      </asp:GridView>
      <asp:Label ID="Label2" runat="server" Text="Kavita Ankita"></asp:Label>

   </div>
   </form>
</body>
</html>
```

XMLFile.xml:

Teacher's Signature

BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

Class: SYIT(NEP) **Sem: IV** **Roll No.: SYIT35** **Date : 21/11/2024**

Course Name: Advance Web Programming **Page no:**

Practical Number: 01

```
<?xml version=”1.0” encoding=”utf-8” ?>
<Persons>
 <Person>
  <Name>VAISHNAVI</Name>
  <Address>Khar</Address>
  <Age>19</Age>
 </Person>
 <Person>
  <Name>KAVITA</Name>
  <Address>Virar</Address>
  <Age>27</Age>
 </Person>
 <Person>
  <Name>ANKITA</Name>
  <Address>Andheri</Address>
  <Age>32</Age>
 </Person>
 <Person>
  <Name>TANAYA</Name>
  <Address>Bandra</Address>
  <Age>45</Age>
 </Person>
</Persons>
```

Output:

Name	Address	Age
VAISHNAVI	Khar	19
KAVITA	Virar	27
ANKITA	Andheri	32
TANAYA	Bandra	45

Vaishnavi

Teacher's Signature

BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

Class: SYIT Sem: IV Roll No.: SYIT35 Date :3/12/24

Course Name:Advanced Web Programming Page no:

Practical Number:- 8

1.Create a Adrotator. Code:
Default.aspx

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master"
AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="WebApplication21._Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">

  <p>
      <strong>Advertisement YASH SYIT43</strong>
  </p>
  <p>
      <asp:XmlDataSource ID="XmlDataSource1" runat="server"
DataFile="~/XMLFile1.xml"></asp:XmlDataSource>
  </p>
  <p>
      <asp:AdRotator ID="AdRotator1" runat="server" DataSourceID="XmlDataSource1"
Height="200px" Width="300px" />
  </p>
  <p>
  <asp:XmlDataSource ID="XmlDataSource2" runat="server"
DataFile="~/XMLFile1.xml"></asp:XmlDataSource>
</p>
<p>
  <asp:AdRotator ID="AdRotator2" runat="server" DataSourceID="XmlDataSource1" Height="200px"
Width="300px" />
</p>
  <p>
  <asp:XmlDataSource ID="XmlDataSource3" runat="server"
DataFile="~/XMLFile1.xml"></asp:XmlDataSource>
</p>
<p>
  <asp:AdRotator ID="AdRotator3" runat="server" DataSourceID="XmlDataSource1" Height="200px"
Width="300px" />
</p>
```

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BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

Class: SYIT Sem: IV Roll No.: SYIT35 Date :3/12/24

Course Name:Advanced Web Programming Page no:

Practical Number:- 8

```
  </asp:Content>
  XMLFile.xml

  <?xml version="1.0" encoding="utf-8" ?>
  <Advertisements>
      <Ad>
              <ImageUrl>YASH2.jpg</ImageUrl>
              <Impressions>10 </Impressions>
             <NavigateUrl>https://www.netflix.com</NavigateUrl>
              <Keywords>yash1</Keywords>
              <Alternate >Google pe lelo</Alternate>
      </Ad>
      <Ad>
              <ImageUrl>YASH1.jpg</ImageUrl>
              <Impressions>10 </Impressions>
             <NavigateUrl>https://www.instagram.com</NavigateUrl>
               <Keywords>yash2</Keywords>
       <Alternate>amazon</Alternate>
      </Ad>
      <Ad>
              <ImageUrl>YASH4.jpg</ImageUrl>
              <Impressions>10 </Impressions>
             <NavigateUrl>https://www.flipkart.com</NavigateUrl>
              <Keywords>yash3</Keywords>
              <Alternate>facebook</Alternate>
      </Ad>
  </Advertisements>  Output:
```

Teacher's Signature

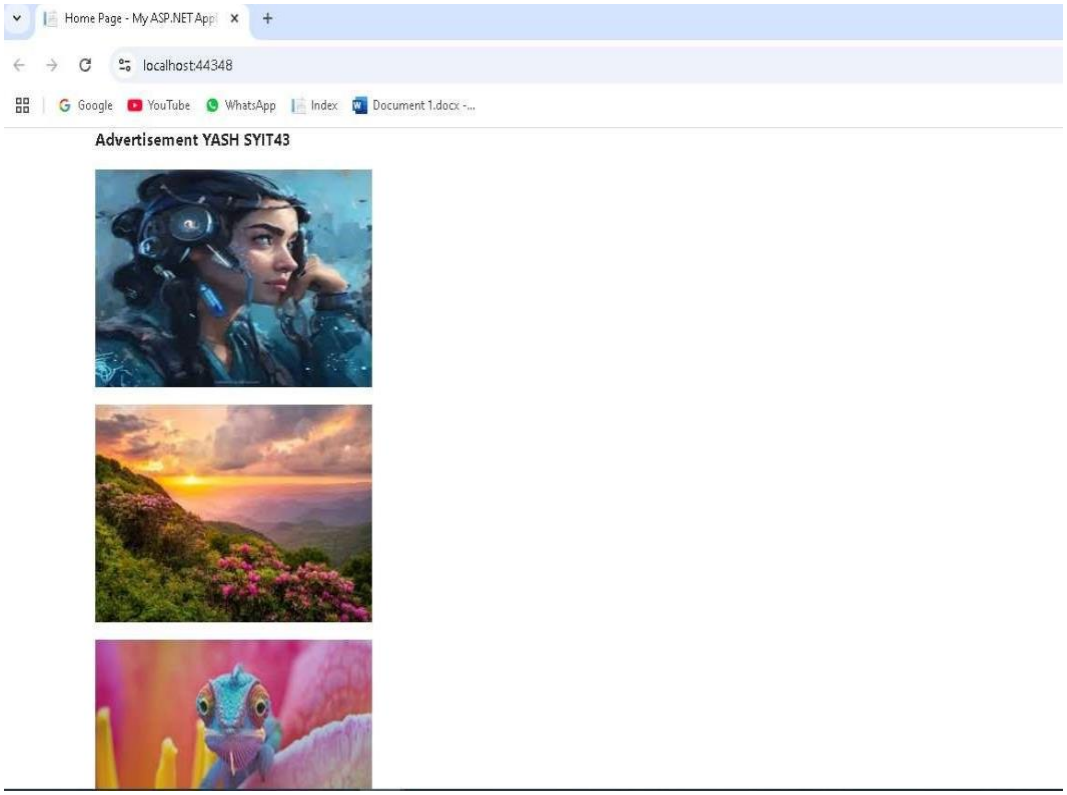
BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST

PRACTICAL JOURNAL

Class: SYIT Sem: IV Roll No.: SYIT35 Date :3/12/24

Course Name:Advanced Web Programming Page no:

Practical Number:- 8



1)

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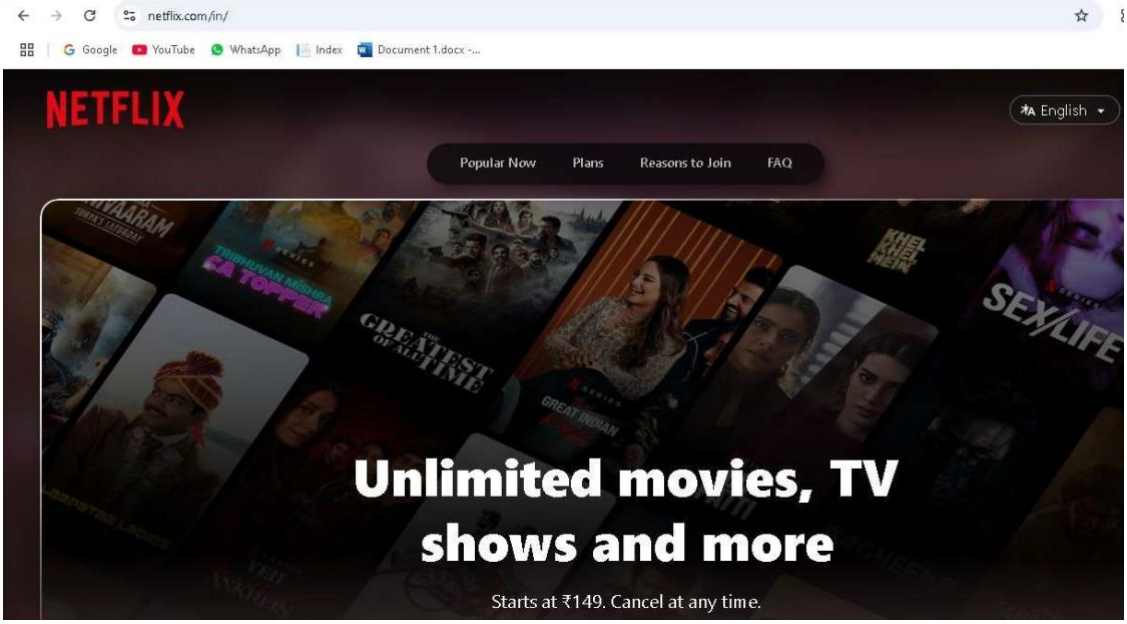
BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

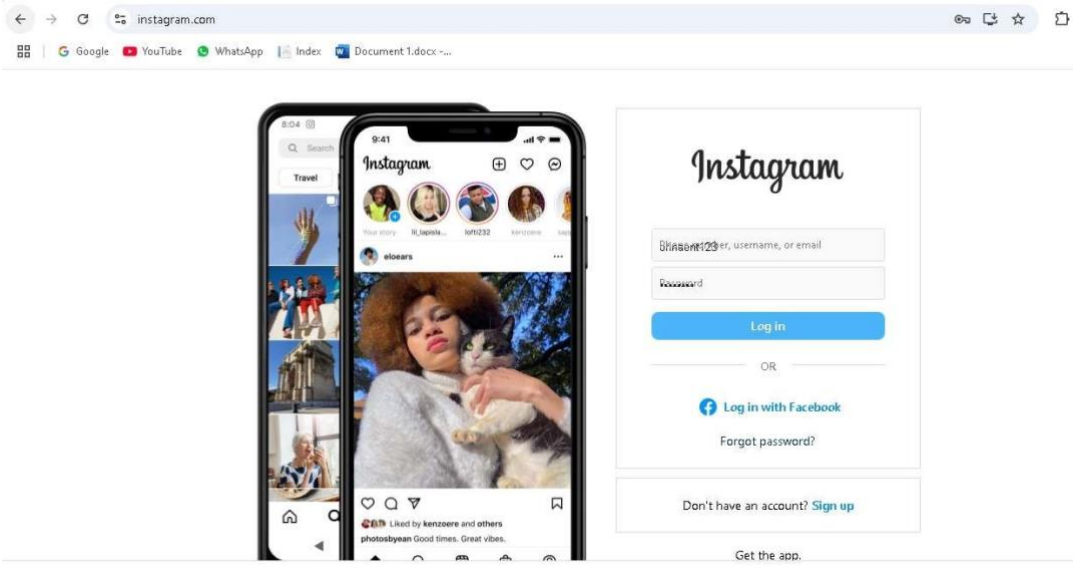
Class: SYIT Sem: IV Roll No.: SYIT35 Date :3/12/24

Course Name:Advanced Web Programming Page no:

Practical Number:- 8



2)



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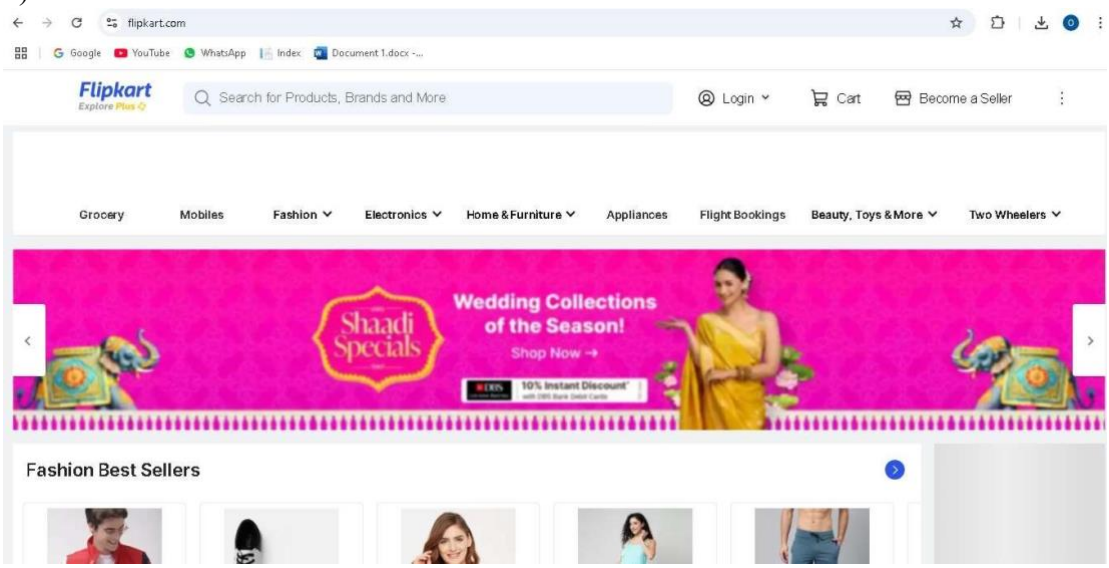
BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

Class: SYIT Sem: IV Roll No.: SYIT35 Date :3/12/24

Course Name:Advanced Web Programming Page no:

Practical Number:- 8

3)



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BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

Class: SYIT(NEP) **Sem: IV** **Roll No.: SYIT61**

Date:25/11/2024 **Course Name: Advance Web Programming**

Page no:

Practical Number: 03

Q1. Write an application to create the following

a. Single Inheritance

Default.aspx

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeFile="Default.aspx.cs"
Inherits="_Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">
<div class="jumbotron">
<asp:Label ID="Label1" runat="server" Text="Function 1 "></asp:Label>
    <br />
<asp:Label ID="Label2" runat="server" Text="Function 2 "></asp:Label>
    <br />
<asp:Label ID="Label3" runat="server" Text="Function 3 "></asp:Label>
    <br />
<asp:Button ID="Button1" runat="server" OnClick="Button1_Click"

 Text="Sigle Inheritance" />

  </div>
</asp:Content>
```

Default.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq; using
System.Web; using
System.Web.UI;
using System.Web.UI.WebControls;

public partial class _Default : Page
{
  protected void Page_Load(object sender, EventArgs e)
  {

}
  protected void Button1_Click(object sender, EventArgs e)
  {
    basec b = new basec();
    Label1.Text = "Calling base class method from base class object." + b.parentmethod();
derived d = new derived();
    Label2.Text = "Calling base class method from derived class object." + d.parentmethod();
    Label3.Text = "Calling derived class method from derived class object." + d.childmethod();
  }
                }
```

Teacher's Signature

Conv.cs using
System;
using System.Collections.Generic;
using System.Linq; using
System.Web;

```
public class basec
{ public string parentmethod()
   {
      string p = "This is base class";
      return p;
   } }
public class derived:basec
{
   public string childmethod()
   {
      string c = "This is derived class method";
return c;
   }
}
```

Output:-

```
Calling base class method from base class object.This is base class
Calling base class method from derived class object.This is base class
Calling derived class method from derived class object.This is derived class method
```

Single Inheritance

---

b. Multilevel Inheritance Default.aspx

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeFile="Default.aspx.cs"
Inherits="_Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">

   <div class="jumbotron">
      <asp:Label ID="Label1" runat="server"></asp:Label><br />
      <asp:Label ID="Label2" runat="server"></asp:Label><br />
      <asp:Label ID="Label3" runat="server"></asp:Label><br />
      <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Mutilevel Inheritance" />

   </div>
</asp:Content>
```

BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

Class: SYIT(NEP) **Sem: IV** **Roll No.: SYIT61**

Date:25/11/2024 **Course Name: Advance Web Programming**

Page no:

Practical Number: 03

Default.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq; using
System.Web; using
System.Web.UI;
using System.Web.UI.WebControls;

public partial class _Default : Page
{
   protected void Page_Load(object sender, EventArgs e)
   {

   }protected void Button1_Click(object sender, EventArgs e)
   {
      C obj = new C();
      Label1.Text = obj.show();
      Label2.Text = obj.display();
      Label3.Text = obj.output();

   }
}
```

C.cs using

```
System;
using System.Collections.Generic;
using System.Linq; using
System.Web;

public class A { public
String show()
   {
      return ("First base class");
   } }
public class B:A
{
   public string display()
   {
      return ("Second base class & first derived class");
   } }
public class C : B
{
   public string output()
   {   return ("Second derived class");
   }
}
```

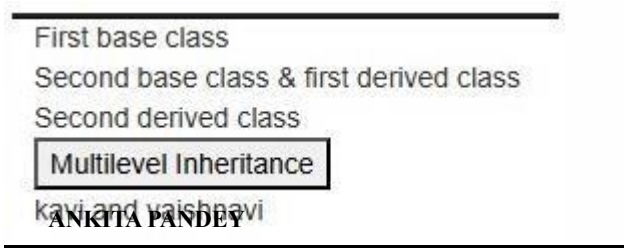
Teacher's Signature

BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

Class: SYIT(NEP) **Sem: IV** **Roll No.: SYIT61** **Date : 25/11/2024** **Course Name: Advance Web Programming** **Page no:**

Practical Number: 03

Output:-



c. **Multiple Inheritance Default.aspx**

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeFile="Default.aspx.cs" Inherits="_Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">    <div class="jumbotron">

        Enter Length : -  
        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
        <br />
        Enter Breadth : -
        <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
        <br />
           
        <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Calculate " />
        <br />
        Area of Rectangle : -
        <asp:Label ID="Label1" runat="server"></asp:Label>

    </div>
</asp:Content>
```

Default.aspx.cs using
System;
using System.Collections.Generic;
using System.Linq; using
System.Web; using
System.Web.UI;
using System.Web.UI.WebControls;

```
public partial class _Default : Page
{   protected void Page_Load(object sender, EventArgs e)
    {
    }
   protected void Button1_Click(object sender, EventArgs e)
   {    rect r = new rect();
```

Teacher's Signature

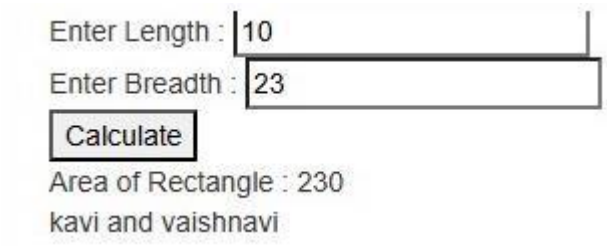
```
    r.sides(Convert.ToInt16(TextBox1.Text), Convert.ToInt16(TextBox2.Text));
    int aor = r.area();
    Label1.Text = Convert.ToString(aor);
  }
}
```

Lengthofrect.cs using

```
System;
using System.Collections.Generic;
using System.Linq; using
System.Web;

public class lengthofrect {
public int length, breadth;
public void sides(int l,int b)
  {  length = l;
breadth = b;
  } }
public interface calc
{   int
area(); }
public class rect:lengthofrect,calc
{
  public int area()
  {
    return length * breadth;
  }
}
```

Output:-



ANKITA PANDEY

d.Heirarchical Inheritance Default.aspx

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeFile="Default.aspx.cs"
Inherits="_Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">

  <div class="jumbotron">
```

```
    <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
    <br />
    <asp:Label ID="Label2" runat="server" Text="Label"></asp:Label>
    <br />
    <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Heirarchical Inheritance" />

  </div>
</asp:Content>
```

Default.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq; using
System.Web; using
System.Web.UI;
using System.Web.UI.WebControls;

public partial class _Default : Page
{
  protected void Page_Load(object sender, EventArgs e)
  {}
  protected void Button1_Click(object sender, EventArgs e)
  {
Q q = new Q();
    Label1.Text="Calling "+q.showP() + " from " + q.showQ();
R r = new R();
    Label2.Text= "Calling "+r.showP() + " from " + r.showR();
  }
}
```

Hci.cs

```
using System; using
System.Collections.Generic; using
System.Linq; using System.Web;

public class P {
  public string showP()
  {
    String a = "Parent class";
    return a;
  } } public
class Q:P {
  public string showQ()
  {
    String b = "Child1 class";
```

```
        return b;
    } } public
class R : P
{
    public string showR()
    {
        String c = "Child2 class"; return c;
    }
}
```

Output:-

```
Calling Parent class from Child1 class
Calling Parent class from Child2 class
Heirarchial Inheritance
kavi and vaishnavi
```


Teacher's Signature

BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

Class: SYIT(NEP) **Sem: IV** **Roll No.: SYIT35** **Date : 23/11/2024**

Course Name: Advance Web Programming **Page no:**

Practical Number: 02

Q1. Create an application to demonstrate following operations

i. Generate Fibonacci series.
ii. Test for prime numbers. iii.
Test for vowels.
iv. Use of foreach loop with arrays
v. Reverse a number and find sum of digits of a number.

Default.aspx

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true"
CodeFile="Default.aspx.cs" Inherits="_Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">
   <div>
       <br />
      <asp:Label ID="Label1" runat="server" Text="Select the Operation : "></asp:Label>
 
      <asp:DropDownList ID="DropDownList1" runat="server">
         <asp:ListItem>fibonacci</asp:ListItem>
         <asp:ListItem>prime</asp:ListItem>
         <asp:ListItem>vowels</asp:ListItem>
         <asp:ListItem>rev &amp; sum</asp:ListItem>
         <asp:ListItem Value="foreach"></asp:ListItem>
      </asp:DropDownList> 
      <br />
      <asp:Label ID="Label2" runat="server" Text="Enter the No, String or Character  :
"></asp:Label>  
      <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
<br /> 
      <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Submit" />
      <br />
      <asp:Label ID="Label3" runat="server"></asp:Label> :
      <asp:Label ID="Label4" runat="server"></asp:Label>
      <br />
      <asp:Label ID="Label5" runat="server"></asp:Label>
      <br />
      </div>
</asp:Content>
```

Teacher's Signature

BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

Class: SYIT(NEP) **Sem: IV** **Roll No.: SYIT35** **Date : 23/11/2024**

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Practical Number: 02

Default.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq; using
System.Web; using System.Web.UI;
using System.Web.UI.WebControls;

public partial class _Default : Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        if (DropDownList1.SelectedItem.Text.Equals("fibonacci"))
        {
            int n = Convert.ToInt32(TextBox1.Text.ToString());
int fno = 0;              int sno = 1;              int sum = 0;
int i = 2;
            Label3.Text = "The fibonacci series is : ";
            Label4.Text = fno.ToString() + ", " + sno.ToString();
while (i < n)
            {
                sum = fno + sno;
fno = sno;                  sno =
sum;                i++;
                Label4.Text = Label4.Text + ", " + sum.ToString();
            }
        }
        else if (DropDownList1.SelectedItem.Text.Equals("prime"))
        {
            int num = Convert.ToInt32(TextBox1.Text.ToString());
int i;
            Label3.Text = "Result = ";
for (i = 2; i < num - i; i++)
            {
```

Teacher's Signature

```
                if (num % i == 0)
break;
            }
            if (num == 1)
            {
                Label4.Text = "1 is neither prime nor composite";
            }
            else if (i <= (num / 2))
            {
                Label4.Text = num + " is not a prime number";
            }
else
            {
                Label4.Text = num + " is a prime number";
            }
}
        else if(DropDownList1.SelectedItem.Text.Equals("vowels"))
        {
            Label3.Text = "Result = ";              char s =
Convert.ToChar(TextBox1.Text);              switch(s)              {
case 'a':                   case 'A':                    case 'e':
case 'E':                   case 'i':                    case 'I':
case 'o':                   case 'O':                    case 'u':
case 'U': Label4.Text = s + " is vowel"; break;
default: Label4.Text = s + " is consonant"; break;
            }
}
        else if (DropDownList1.SelectedItem.Text.Equals("rev & sum"))
        {
            Label3.Text = "Result ";
int n, rev = 0, d,sum=0;              int num =
int.Parse(TextBox1.Text);              n = num;
while (n > 0)
            {
                d = n % 10;
n = n / 10;                    sum =
sum + d;                  rev = rev
* 10 + d;              }
            Label4.Text = "Reverse of "+num + " is : " + rev.ToString();
```

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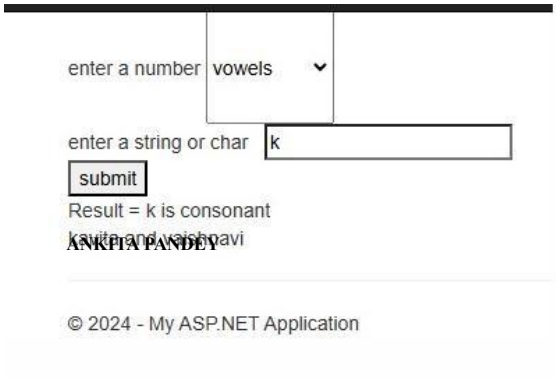
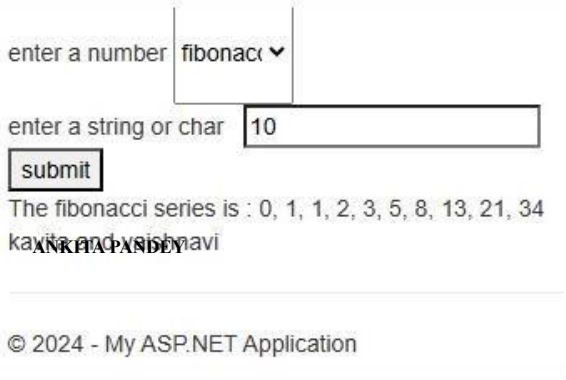
Practical Number: 02

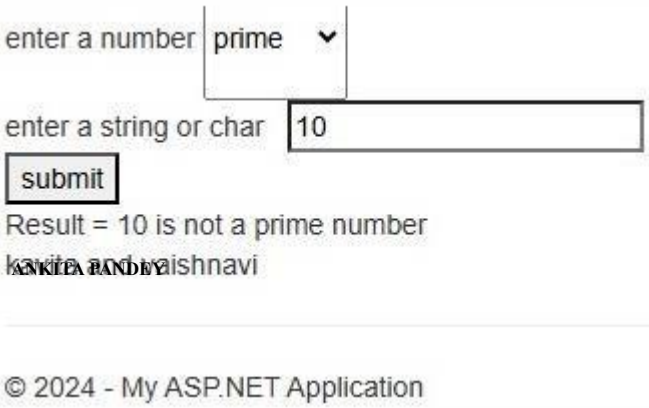
```
            Label5.Text = "Sum of " + num + " is : " + sum.ToString();
}
        else if (DropDownList1.SelectedItem.Text.Equals("foreach"))
        {
            Label3.Text = "Result ";
            int[] a = new int[] { 99, 98, 92, 97, 95 };
foreach(int i in a)
            {
                Label4.Text = Label4.Text + ", " + i;
            }
        }
    }
}
```

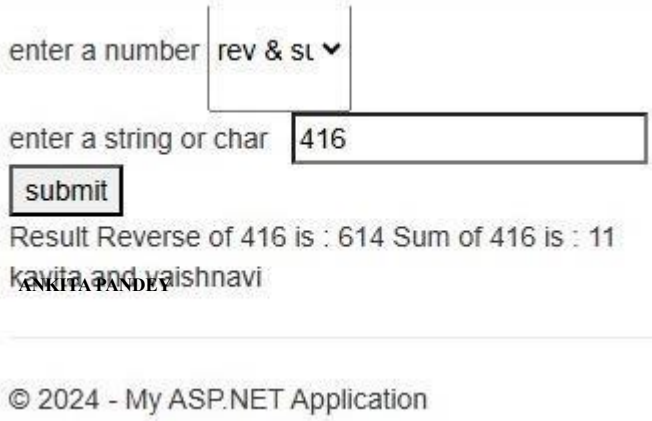
Output:





-





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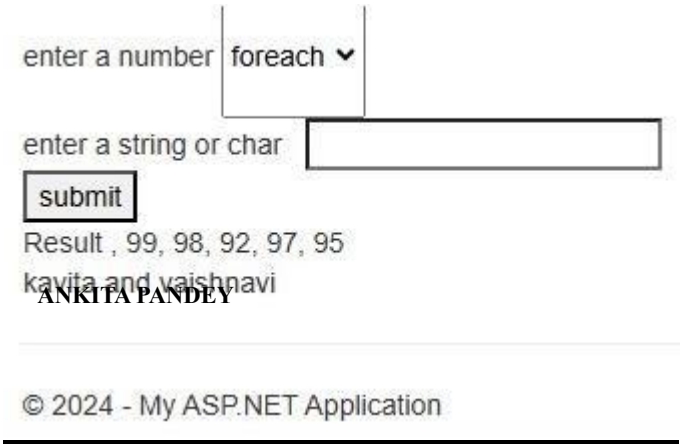

Q2. Create simple application to perform following operations

i. Money Conversion

Default.aspx

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master"
AutoEventWireup="true" CodeFile="Default.aspx.cs" Inherits="_Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">
    <div class="jumbotron";
         
        <asp:Label ID="Label1" runat="server" Text="Amount :   "></asp:Label>
        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
        <br />
         
        <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Convert" />  <br />
        <asp:Label ID="Label2" runat="server"></asp:Label>     <br />
        <asp:Label ID="Label3" runat="server"></asp:Label><br />
        <asp:Label ID="Label4" runat="server"></asp:Label><br />
        <asp:Label ID="Label5" runat="server"></asp:Label>
    </div>
</asp:Content>
```

Default.aspx.cs

```
using System;
using System.Collections.Generic;
```

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```
using System.Linq;
using System.Web; using
System.Web.UI;
using System.Web.UI.WebControls;

public partial class _Default : Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        double a = Double.Parse(TextBox1.Text);
        Conv obj = new Conv(a);
        obj.rtd();
        Label2.Text = "Rupees to Dollar :  "+Convert.ToString(obj.d);
obj.dtr();
        Label3.Text ="Dollar to Rupees :  " +Convert.ToString(obj.r);
obj.rte();
        Label4.Text ="Rupees to Euro :  " +Convert.ToString(obj.e);
obj.etr();
        Label5.Text ="Euro to Rupees :  " +Convert.ToString(obj.r);
    }
}
```

Conv.cs

```
using System;
using System.Collections.Generic;
using System.Linq; using
System.Web; public class Conv
{
    public double r, e, a,d;
public Conv(double amount)
    {
        a = amount;
    }
    public void rtd()
    {
```

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```
        d = a / 68.96;
    }
    public void dtr()
    {
        r = a * 68.96;
    }
    public void rte()
    {
        e = a / 77.35;
    }
    public void etr()
    {
        r = a * 77.35;
    }
}
```

Output:-

ii. Quadratic equation

Default.aspx

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master"
AutoEventWireup="true" CodeFile="Default.aspx.cs" Inherits="_Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">
    <div class="jumbotron">
 
 <asp:Label ID="Label1" runat="server" Text="Enter the value of a :
"></asp:Label>
```

```
 <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
 <br /> 
 <asp:Label ID="Label2" runat="server" Text="Enter the value of b :
"></asp:Label>
  <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
<br /> 
  <asp:Label ID="Label3" runat="server" Text="Enter the value of c :
"></asp:Label>
  <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox><br />
   
  <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="calculate "
/><br />   
  <asp:Label ID="Label4" runat="server"></asp:Label>br />
    </div>
</asp:Content>
```

Default.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq; using
System.Web; using System.Web.UI;
using System.Web.UI.WebControls;

public partial class _Default : Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        int a, b, c;
        a = Int32.Parse(TextBox1.Text);
b = Int32.Parse(TextBox2.Text);         c =
Int32.Parse(TextBox3.Text);         quadeqtn
qe = new quadeqtn(a, b, c);
        Label4.Text = qe.msg;
```

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```
    }
}
```

Quadeqtn.cs

```
using System; using
System.Collections.Generic; using
System.Linq; using System.Web;

public class quadeqtn
{
    public double x1, x2;
public string msg;
    public quadeqtn(int a, int b, int c)
    {
        Double d;
        d = b * b - (4 * a * c);
if (d == 0)
        {
            x1 = b / (2.0 * a);             x2 = x1;             msg = "Both the
roots are equal<br>1st Root : " + x1 + "<br>2nd Root :
" + x2 + "<br>";
}
        else if (d > 0)
        {
            x1 = (-b + Math.Sqrt(d)) / (2 * a);
x2 = (-b - Math.Sqrt(d)) / (2 * a);
            msg = "Both the roots are different<br>1st Root : " + x1 + "<br>2nd
Root : " + x2 + "<br>";
        }
else          {
            msg = "Roots are imaginary , No solution";
        }
    }
}
Output:-
```

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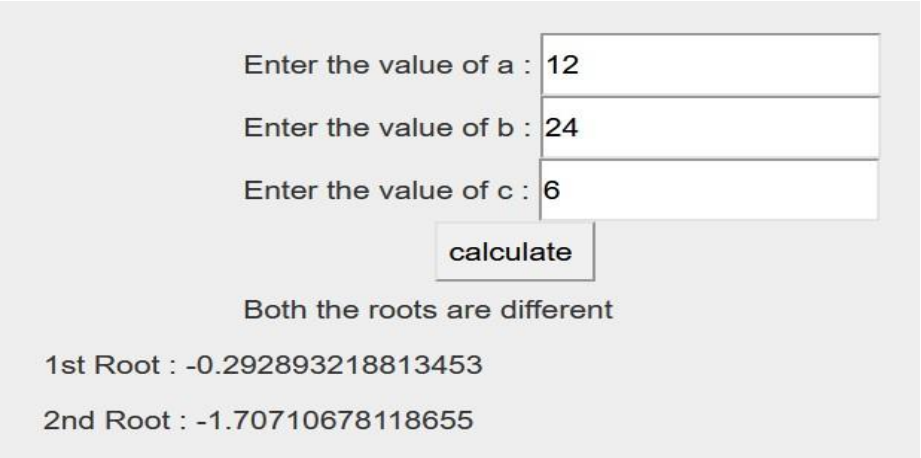

iii. Temperature Conversion

Default.aspx

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master"
AutoEventWireup="true" CodeFile="Default.aspx.cs" Inherits="_Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">
    <div class="jumbotron"> 
        <asp:Label ID="Label1" runat="server" Text="Celcius :   "></asp:Label>
        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
        <br /> 
        <asp:Button ID="Button1" runat="server" OnClick="Button1_Click1"
Text="Celcius to Farenheit" Width="297px" />
        <br /> 
        <asp:Label ID="Label2" runat="server"></asp:Label>
        <br /> 
        <asp:Label ID="Label3" runat="server" Text="Farenheit : "></asp:Label>
 <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
        <br /> 
        <asp:Button ID="Button2" runat="server" OnClick="Button2_Click1"
Text="Farenheit to Celcius : " />
        <br /> 
        <asp:Label ID="Label4" runat="server"></asp:Label>

    </div>
</asp:Content>
```

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Class: SYIT(NEP) **Sem: IV** **Roll No.: SYIT35** **Date : 23/11/2024**

Course Name: Advance Web Programming **Page no:**

Practical Number: 02

Default.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq; using
System.Web; using System.Web.UI;
using System.Web.UI.WebControls;

public partial class _Default : Page
{
    protected void Page_Load(object sender, EventArgs e)
{}
    protected void Button1_Click1(object sender, EventArgs e)
    {
        double c = Double.Parse(TextBox1.Text);
        Conv obj = new Conv(c);
        obj.ctf();
        Label2.Text = "Celsius to Farenheit : " + obj.f.ToString();
    }
    protected void Button2_Click1(object sender, EventArgs e)
    {
        double c = Double.Parse(TextBox2.Text);
        Conv obj = new Conv(c);
        obj.ftc();
        Label4.Text = "Farenheit to Celcius : " + obj.c.ToString();
    }
}
```

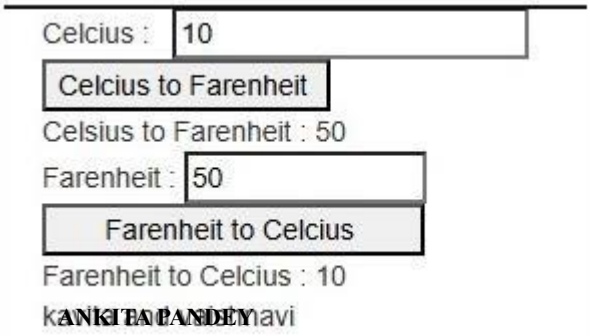
Conv.cs

```
using System;
using System.Collections.Generic;
using System.Linq; using
System.Web; public class Conv
{
    public double temp, f, c;
public Conv(double t)
    {
        temp = t;
```

Teacher's Signature

```
    }
    public void ctf()
    {
        f = ((temp *9/5)) + 32;
    }
    public void ftc()
    {
        c = ((temp - 32)*5) / 9;
    }
}
```

Output:-



i. Function Overloading

Default.aspx

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master"
AutoEventWireup="true" CodeFile="Default.aspx.cs" Inherits="_Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">
    <div class="jumbotron">

<asp:Label ID="Label1" runat="server" Text="Function 1 :
"></asp:Label>nbsp;
<asp:Label ID="Label5" runat="server"></asp:Label><br />

<asp:Label ID="Label2" runat="server" Text="Function 2 :"></asp:Label>
 
<asp:Label ID="Label6" runat="server"></asp:Label><br />
<asp:Label ID="Label3" runat="server" Text="Function 3 :"></asp:Label>  
<asp:Label ID="Label7" runat="server"></asp:Label><br />
```

```
<asp:Label ID="Label4" runat="server" Text="Function 4 :"></asp:Label>  
<asp:Label ID="Label8" runat="server"></asp:Label><br />
<asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Overload" />

    </div>
</asp:Content>
```

Default.aspx.cs

```
using System;
using System.Collections.Generic; using
System.Linq;
using System.Web; using
System.Web.UI;
using System.Web.UI.WebControls;

public partial class _Default : Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        funcol fo = new funcol();
fo.sum(10, 20);          fo.sum(10, 20, 30);
fo.sum(14.2f, 1.8f);          fo.sum(12.0f,
23.1f, 23.43f);          Label5.Text =
Convert.ToString(fo.x);
        Label6.Text = Convert.ToString(fo.y);
        Label7.Text = Convert.ToString(fo.u);
        Label8.Text = Convert.ToString(fo.v);
    }
}
```

Funcol.cs

```
using System;
```

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BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

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```
using System.Collections.Generic;
using System.Linq; using
System.Web;

public class funcol
{
    public int x, y;
public float u, v;
public funcol()
    {         x = y =
0;         u = v =
0.0f;
    }
    public void sum(int a,int b)
    {         x =
a + b;     }
    public void sum(int a, int b, int c)
    {
        y = a + b +c;
    }
    public void sum(float a, float b)
    {         u =
a + b;     }
    public void sum(float a, float b, float c)
    {
        v = a + b +c;
    }
}
Output:-
```

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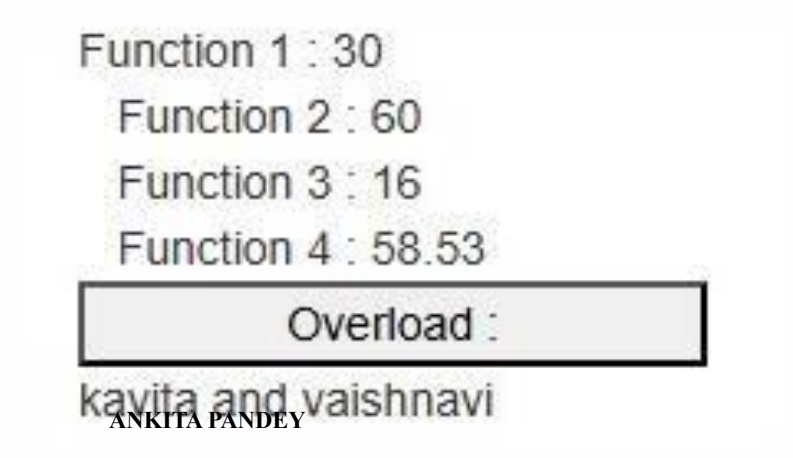

ANKITA PANDEY

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BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

Class: SYIT(NEP) **Sem: IV** **Roll No.: SYIT35** **Date : 21/11/2024**

Course Name: Advance Web Programming **Page no:**

Practical Number: 01

1.Factorial of a Number

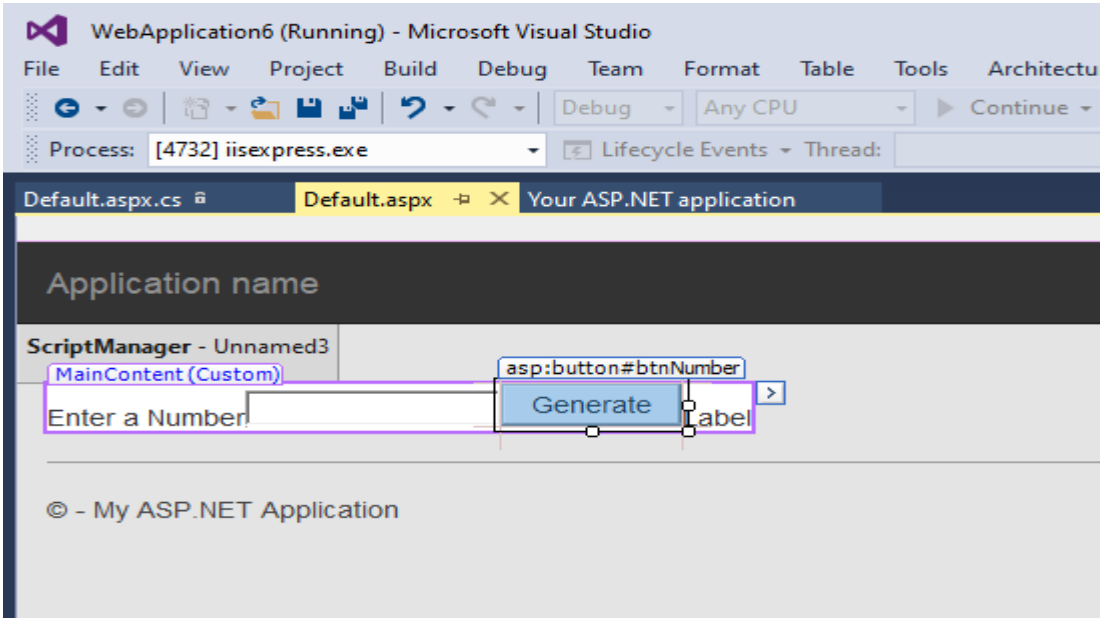
Default.aspx

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true"
CodeBehind="Default.aspx.cs" Inherits="WebApplication4._Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">

    <asp:Label ID="lblNumber" runat="server" Text="Enter a Number"></asp:Label>
    <asp:TextBox ID="txtNum" runat="server"></asp:TextBox>
    <asp:Button ID="btnNum" runat="server" OnClick="btnNum_Click" Text="Generate Factorial" />

</asp:Content>
```



Default.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication6
{
    public partial class _Default : Page
    {
        protected void Page_Load(object sender, EventArgs e)
```

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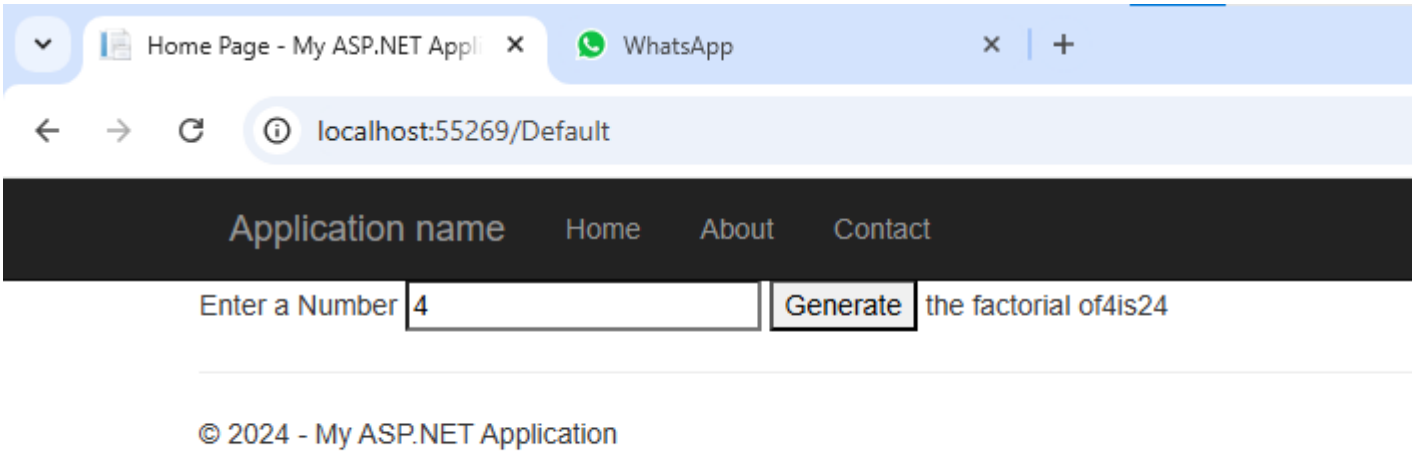
```
    {

    }

    protected void btnNumber_Click(object sender, EventArgs e)
    {
        Int64 n, fact = 1, i;
        n = Int64.Parse(txtNumber.Text);
        for (i = 1; i <= n; i++)
            fact = fact * i;
        lblResult.Text = "the factorial of" + n + "is" + fact.ToString();
    }
  }
}
```

OUTPUT:



2.Reverse of a Number

Default.aspx

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true"
CodeBehind="Default.aspx.cs" Inherits="WebApplication8._Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">

    <div class="jumbotron">

    <asp:Label ID="lblNumber" runat="server" Text="Enter a Number"></asp:Label>
```

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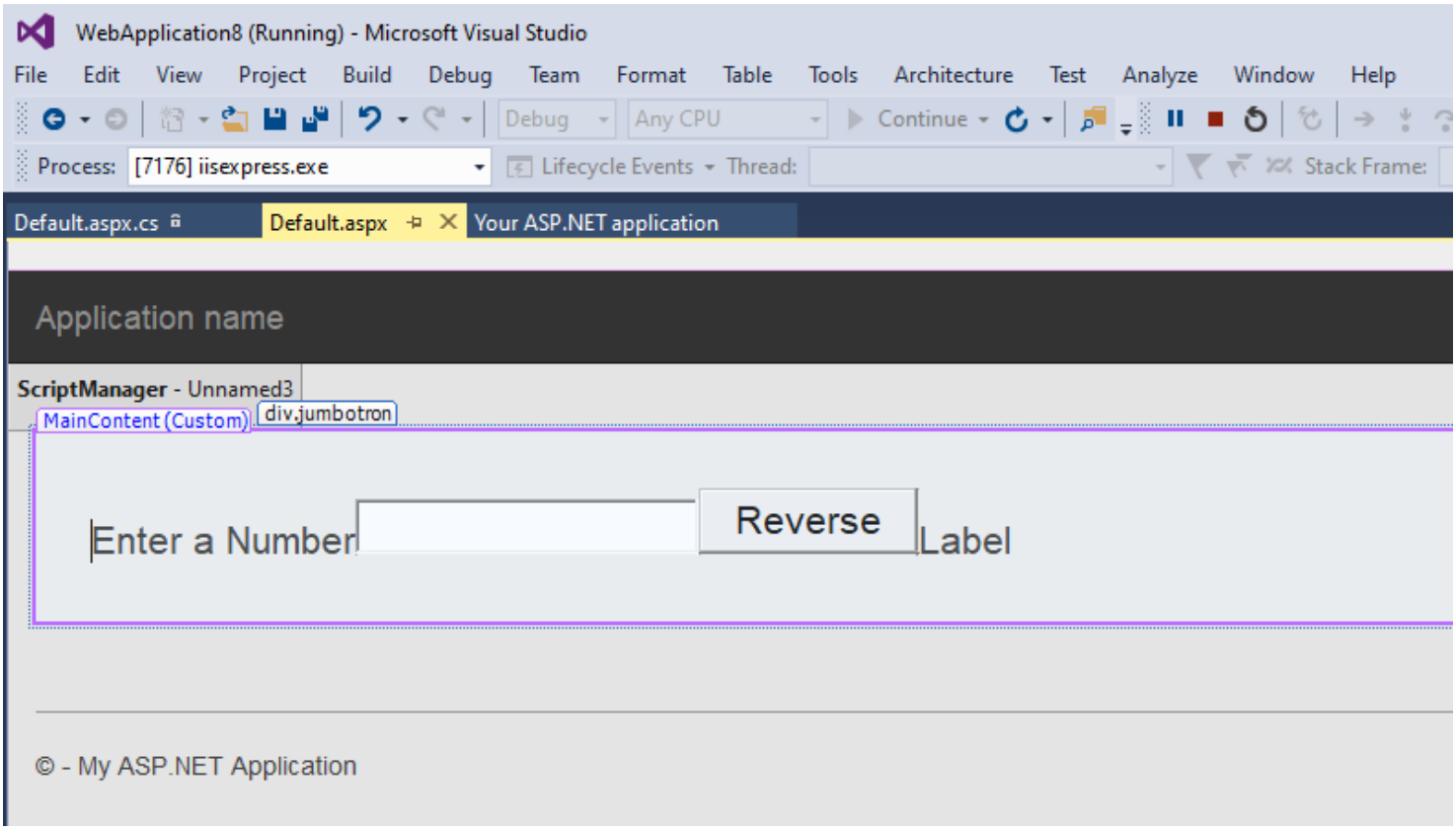
```
  <asp:TextBox ID="txtNumber" runat="server"></asp:TextBox>
  <asp:Button ID="btnNumber" runat="server" OnClick="btnNumber_Click" Text="Reverse" />
  <asp:Label ID="lblResult" runat="server" Text="Label"></asp:Label>
 </div>
</asp:Content>
```



Default.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication8
{
   public partial class _Default : Page
   {
      protected void Page_Load(object sender, EventArgs e)
      {
```

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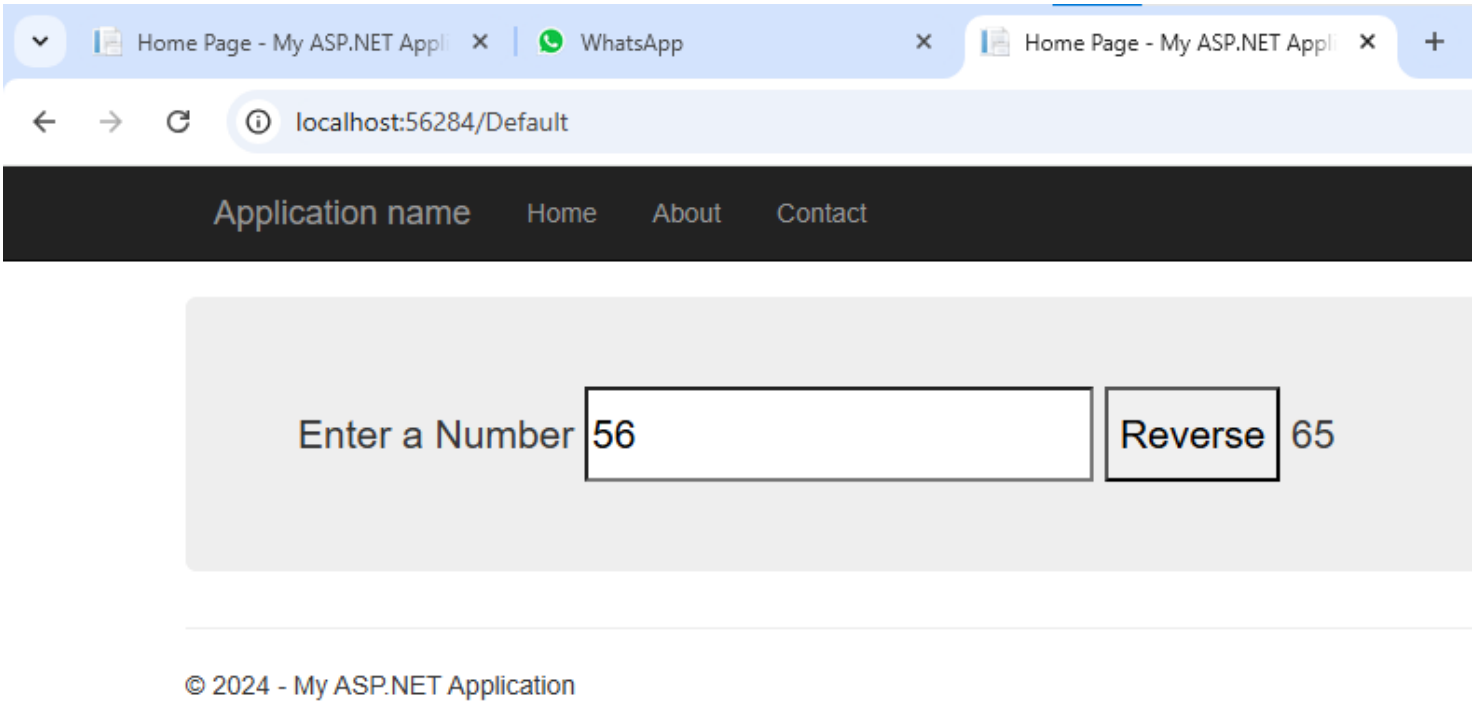
```
    }

    protected void btnNumber_Click(object sender, EventArgs e)
    {
        Int32 n, rev = 0, rem, num;
        num = Int32.Parse(txtNumber.Text);
        n = num;
        while (n > 0)
        {
            rem = n % 10;
            rev = (rev * 10) + rem;
            n = n / 10;
        }
        lblResult.Text = Convert.ToString(rev);
    }
  }
}
```

OUTPUT:



3.Fibbonacci Series

Default.aspx

<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true"

BHAVAN'S COLLEGE AUTONOMOUS, ANDHERI-WEST
PRACTICAL JOURNAL

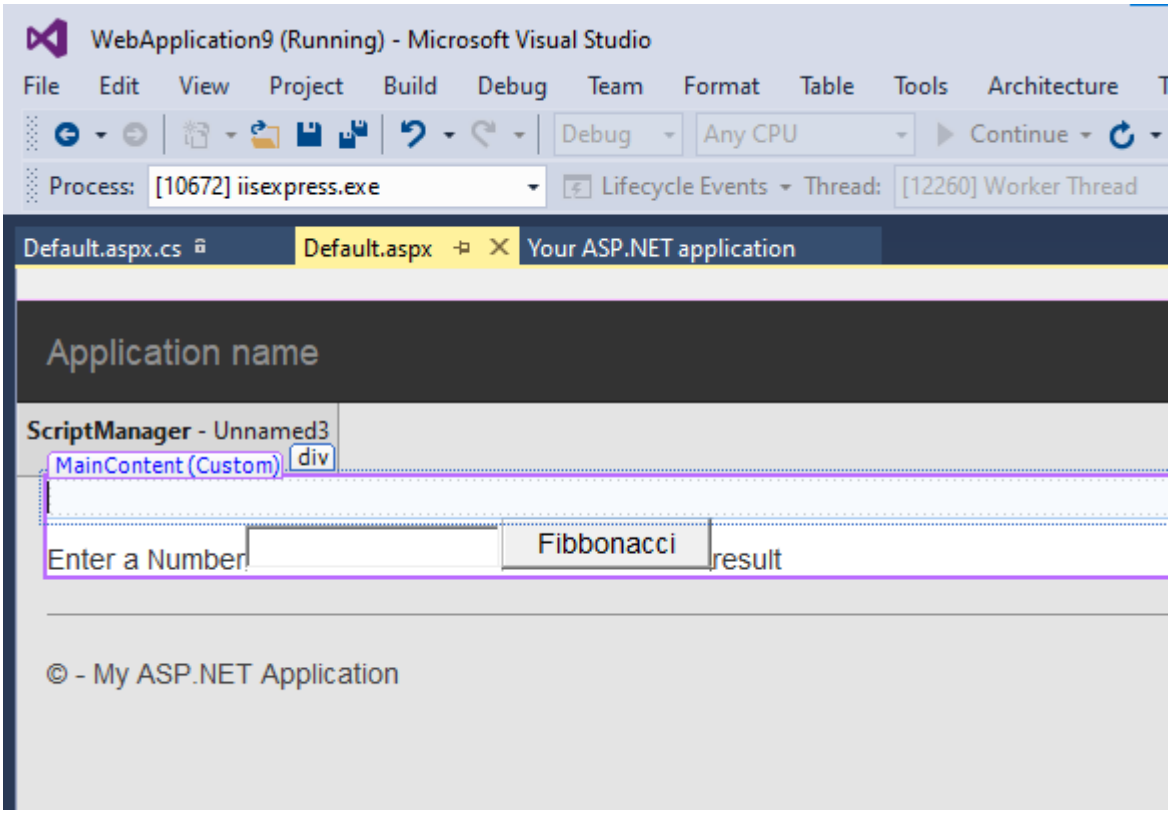
Class: SYIT(NEP) **Sem: IV** **Roll No.: SYIT35** **Date : 21/11/2024**

Course Name: Advance Web Programming **Page no:**

Practical Number: 01

```
CodeBehind="Default.aspx.cs" Inherits="WebApplication9._Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">
    <div></div>
    <asp:Label ID="lblNumber" runat="server" Text="Enter a Number"></asp:Label>
    <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
    <asp:Button ID="label3" runat="server" OnClick="txtfibbo_Click" Text="Fibbonacci" />
    <asp:Label ID="label4" runat="server" Text="result"></asp:Label>
    </div>
</asp:Content>
```



Default.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication9
{
    public partial class _Default : Page
```

Teacher's Signature

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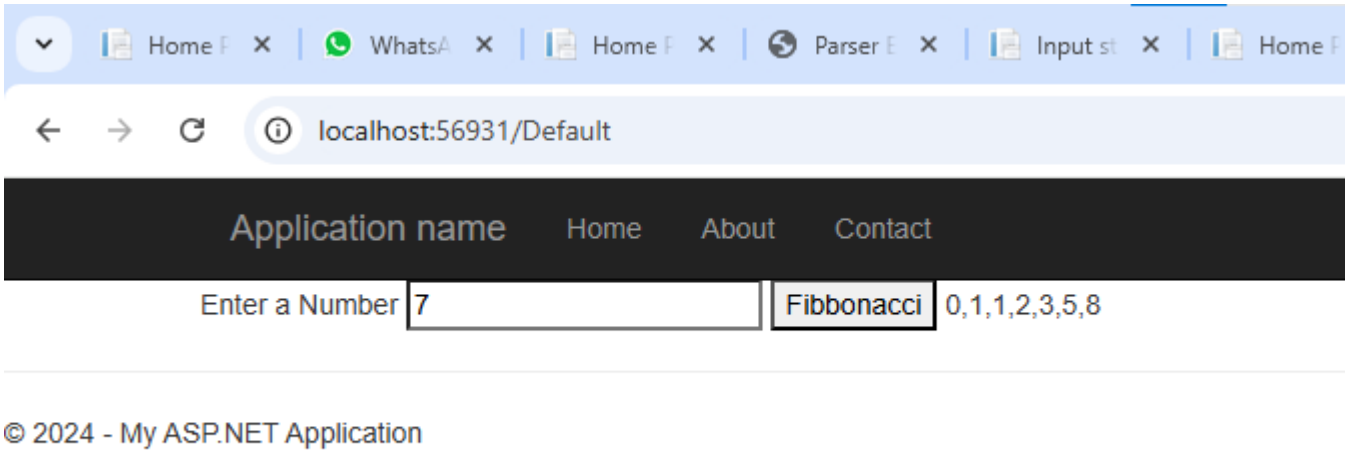
```
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void txtfibbo_Click(object sender, EventArgs e)
    {

        int n = Convert.ToInt32(TextBox1.Text.ToString());
        int fno = 0;
        int sno = 1;
        int sum = 0;
        int i = 2;
        label4.Text = fno.ToString() + "," + sno.ToString();
        while (i < n)
        {
            sum = fno + sno;
            fno = sno;
            sno = sum;
            i++;
            label4.Text = label4.Text + "," + sum.ToString();
        }
    }
  }
}
```



4.Test for Prime Number

Default.aspx

<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="WebApplication10._Default" %>

Teacher's Signature

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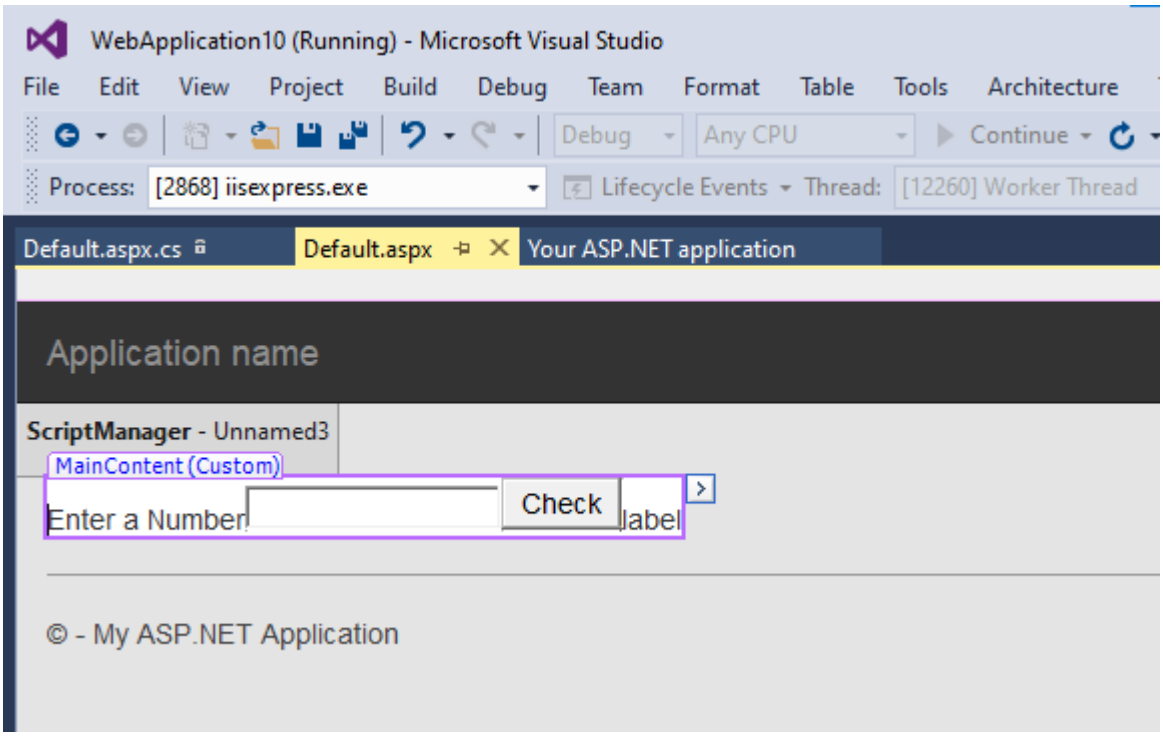
```
<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">

    <asp:Label ID="lblNumber" runat="server" Text="Enter a Number"></asp:Label>
    <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
    <asp:Button ID="btn" runat="server" OnClick="btn_Click" Text="Check" />
    <asp:Label ID="Label2" runat="server" Text="label"></asp:Label>

</asp:Content>
```



Default.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication10
{
    public partial class _Default : Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
```

Teacher's Signature

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Course Name: Advance Web Programming **Page no:**

Practical Number: 01

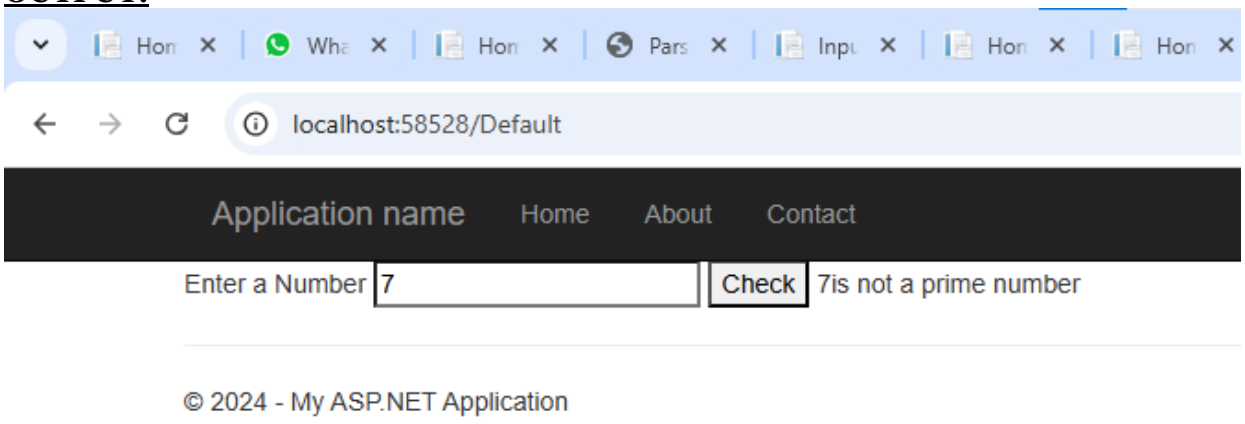
```
    }

    protected void btn_Click(object sender, EventArgs e)
    {
        int num = Convert.ToInt32(TextBox1.Text.ToString());
        int i;
        for(i=2;i< num-1;i++)
        {
            if (num % i == 0)
                break;
        }
        if(num==1)
        {
            Label2.Text = "1 is neither prime nor composite";

        }
        else if (i<=(num/2))
        {
            Label2.Text = num + "is a prime number";
        }
        else
        {
            Label2.Text = num + "is not a prime number";
        }

    }
  }
}
```

OUTPUT:



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